

Title (en)

A CONTINUOUS FLOW SYNTHESIS METHOD FOR THE MANUFACTURE OF ISONIAZID

Title (de)

VERFAHREN DER KONTINUIERLICHEN FLUSSSYNTHESE ZUR HERSTELLUNG VON ISONIAZID

Title (fr)

PROCÉDÉ DE SYNTHÈSE À ÉCOULEMENT CONTINU POUR LA FABRICATION D'ISONIAZIDE

Publication

**EP 4041712 B1 20231115 (EN)**

Application

**EP 20722665 A 20200423**

Priority

- GB 201914685 A 20191010
- IB 2020053841 W 20200423

Abstract (en)

[origin: WO2021069975A1] A multistep continuous flow synthesis method for the manufacture of isonicotinyl-hydrazide (Isoniazid) comprising reacting 4-cyano pyridine with NaOH at a specified molar ratio and temperature range to produce the intermediate isonicotinamide, which intermediate is reacted with hydrazine hydrate, without isolation thereof, at a specified molar ratio and temperature range to produce isonicotinyl-hydrazide (Isoniazid) in a yield greater than about 90%.

IPC 8 full level

**C07D 213/88** (2006.01)

CPC (source: EP GB US)

**C07D 213/81** (2013.01 - GB); **C07D 213/88** (2013.01 - EP GB US); **A61K 31/4409** (2013.01 - GB); **A61P 31/06** (2018.01 - GB); **C07D 213/803** (2013.01 - GB)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2021069975 A1 20210415**; CA 3157281 A1 20210415; CN 114981244 A 20220830; EP 4041712 A1 20220817; EP 4041712 B1 20231115; EP 4041712 C0 20231115; ES 2966020 T3 20240417; GB 201914685 D0 20191127; GB 2588165 A 20210421; GB 2588165 B 20211020; US 2023142405 A1 20230511

DOCDB simple family (application)

**IB 2020053841 W 20200423**; CA 3157281 A 20200423; CN 202080075307 A 20200423; EP 20722665 A 20200423; ES 20722665 T 20200423; GB 201914685 A 20191010; US 202017767773 A 20200423